

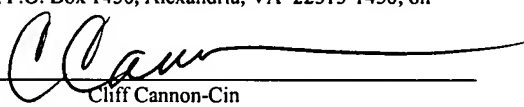
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: **Takashi KADOWAKI *et al.***
Serial No.: **10/591,490**
Filed: **09/01/2006**
For: **Agents For Regulating Adiponectin Receptor Expression**

Group No.:
Examiner:

INFORMATION DISCLOSURE STATEMENT

MS PCT
Commissioner for Patents
P.O. Box 1450
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CERTIFICATE OF MAILING UNDER 37 CFR § 1.8(a)
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 8, 2007.
By:  Cliff Cannon-Cin

Dear Sir or Madam:

The citations listed below, copies attached, may be material to the examination of the above-identified application, and are therefore submitted in compliance with the duty of disclosure defined in 37 C.F.R. § 1.56 and § 1.97. The Examiner is requested to make these citations of official record in this application:

- Publication No. US 2004/0241802 A1 of Kadowaki *et al.*, "Adiponectin receptor and gene encoding same," (2004) as English translation of related PCT application;
- Publication No. WO 2004/061108 A1 of Kadowaki *et al.*, "Adiponectin receptor and gene encoding same," (2004) in Japanese accompanied by English translation of related national entry application;
- Berg *et al.*, "The adipocyte-secreted protein Acrp30 enhances hepatic insulin action," *Nature Medicine*, 7:947-953 (2001);
- Biggs III *et al.*, "Protein kinase B/Akt-mediated phosphorylation promotes nuclear exclusion of the winged helix transcription factor FKHR1," *Proc Natl Acad Sci USA*, 96:7421-7426 (1999);

- Brunet *et al.*, "Akt promotes cell survival by phosphorylating and inhibiting a forkhead transcription factor," *Cell*, 96:857-868 (1999);
- Friedman *et al.*, "Phosphoenolpyruvate carboxykinase (GTP) gene transcription and hyperglycemia are regulated by glucocorticoids in genetically obese *db/db* transgenic mice," *J Biol Chem*, 272:31475-31481 (1997);
- Fruebis *et al.*, "Proteolytic cleavage product of 30-kDa adipocyte complement-related protein increases fatty acid oxidation in muscle and causes weight loss in mice," *Proc Natl Acad Sci USA*, 98:2005-2010 (2001);
- Guo *et al.*, "Phosphorylation of serine 256 by protein kinase B disrupts transactivation by FKHR and mediates effects of insulin on insulin-like growth factor-binding protein-1 promoter activity through a conserved insulin response sequence," *J Biol Chem*, 274:17184-17192 (1999);
- Herzig *et al.*, "CREB regulates hepatic gluconeogenesis through the coactivator PGC-1," *Nature*, 413:179-183 (2001);
- Hu *et al.*, "AdipoQ is a novel adipose-specific gene dysregulated in obesity," *J Biol Chem*, 271:10697-10703 (1996);
- Kadowaki, "Insights into insulin resistance and type 2 diabetes from knockout mouse models," *J Clin Invest*, 106:459-465 (2000);
- Kubota *et al.*, "Disruption of adiponectin causes insulin resistance and neointimal formation," *J Biol Chem*, 277:25863-25866 (2002);
- Levine *et al.*, "Toxicologic evaluation of streptozotocin (NSC 85998) in mice, dogs and monkeys," *Drug Chem Toxicol*, 3:201-212 (1980);
- Maeda *et al.*, "cDNA cloning and expression of a novel adipose specific collagen-like factor, apM1 (Adipose Most Abundant Gene Transcript 1), *Biochem Biophys Res Commun*, 221:286-289 (1996);
- Maeda *et al.*, "Diet-induced insulin resistance in mice lacking adiponectin/ACRP30," *Nature Medicine*, 8:731-737 (2002);
- Nakae *et al.*, "Insulin stimulates phosphorylation of the forkhead transcription factor FKHR on serine 253 through a wortmannin-sensitive pathway," *J Biol Chem*, 274:15982-15985 (1999);

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- Nakano *et al.*, "Isolation and characterization of GBP28, a novel gelatin-binding protein purified from human plasma," *J Biochem*, 120:803-812 (1996);
- Ouchi *et al.*, "Adipocyte-derived plasma protein, adiponectin, suppresses lipid accumulation and class A scavenger receptor expression in human monocyte-derived macrophages," *Circulation*, 103:1057-1063 (2001);
- Rakieten *et al.*, "Studies on the diabetogenic action of streptozotocin (NSC-37917)," *Cancer Chemother Rep*, 29:91-98 (1963);
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- Yamauchi *et al.*, "Cloning of adiponectin receptors that mediate antidiabetic metabolic effects," *Nature*, 324:762-769 (2003); and
- Yokomizo *et al.*, "A G-protein-coupled receptor for leukotriene B₄ that mediates chemotaxis," *Nature*, 387:620-624 (1997).

This Information Disclosure Statement under 37 C.F.R. § 1.56 and § 1.97 is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that any one or more of these citations constitutes prior art.

Dated: May 8, 2007



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FORM PTO-1449 (Modified)		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No.: SHIMIZU-13116		Serial No.: 10/591,490	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use Several Sheets If Necessary) (37 CFR § 1.98(b))				Applicant: Takashi Kadowaki			
				Filing or 371(c) Date: 09/01/2006		Group Art Unit:	
U.S. PATENT DOCUMENTS							
Examiner Initials	Cite No.	Document / Patent Number	Publication / Issue Date	Applicant / Patentee	Class	Subclass	Filing Date
	1	2004/0241802		Kadowaki et al.			
FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		Document Number	Publication Date	Country / Patent Office	Class	Subclass	Translation
							Yes No
	2	WO 2004/061108		PCT			
OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)							
	3	Berg <i>et al.</i> , "The adipocyte-secreted protein Acrp30 enhances hepatic insulin action," <i>Nature Medicine</i> , 7:947-953 (2001)					
	4	Biggs III <i>et al.</i> , "Protein kinase B/Akt-mediated phosphorylation promotes nuclear exclusion of the winged helix transcription factor FKHR1," <i>Proc Natl Acad Sci USA</i> , 96:7421-7426 (1999)					
	5	Brunet <i>et al.</i> , "Akt promotes cell survival by phosphorylating and inhibiting a forkhead transcription factor," <i>Cell</i> , 96:857-868 (1999)					
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	13	Levine <i>et al.</i> , "Toxicologic evaluation of streptozotocin (NSC 85998) in mice, dogs and monkeys," <i>Drug Chem Toxicol</i> , 3:201-212 (1980)					
	14	Maeda <i>et al.</i> , "cDNA cloning and expression of a novel adipose specific collagen-like factor, apM1 (Adipose Most Abundant Gene Transcript 1), <i>Biochem Biophys Res Commun</i> , 221:286-289 (1996)					
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	22	Scherer <i>et al.</i> , "A novel serum protein similar to C1q, produced exclusively in adipocytes," <i>J Biol Chem</i> , 270:26746-26749 (1995)					
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Examiner:				Date Considered:			
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